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(54) NEGATIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY, AND ITS MANUFACTURING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a negative electrode for a lithium secondary battery, capable of providing high discharge capacity and having superior charge-discharge cycle characteristic, and to provide its manufacturing method.

SOLUTION: This negative electrode for a lithium secondary battery and its manufacturing method is characterized, in that conductive metal foil 11 such as copper foil or copper alloy foil having a surface roughness Ra of 0.2 μ m or more is used as collector, and the negative electrode is formed by sintering a mixture of active material particles 12 containing silicon and/or silicon alloy with conductive metal powder 13 of copper or copper alloy on the surface of the collector 11, in a non-oxidative atmosphere.



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